CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-24.
- After this Amendment: Claims 1-2, 5-8, 11-14, 17-20, and 23-24.

Non-Elected, Canceled, or Withdrawn claims herein: Claims 3-4, 9-10, 15-16 and 22-23.

Amended claims: Claims 1, 7, 13, and 19.

New claims: None.

Claims:

1. (Currently Amended) A method implemented at least in part by a computing device for enumerating applications by a remote client computer, the applications being deployed in an Intranet, the remote client computer being external to the Intranet, the method comprising:

sending a remote application discovery request from the remote client computer to a Web service using simple object access protocol (SOAP), the Web service being deployed on a remote applications publication (RAP) Web server in the Intranet, the remote application discovery request being sent to the Web service by the remote client computer via a public network coupling the remote client computer to the Web server; and

responsive to the sending, receiving a discovery response from the Web service, the discovery response identifying an aggregate list of remote applications across multiple accessor modules installed on the Intranet for terminal server (TS) based access by a user of the remote client computer, wherein the multiple accessor modules comprise:

a System Management Server (SMS) accessor, wherein the SMS accessor sends a get application request to a System Management Server (SMS) having a domain, wherein, upon receiving the get application request, the SMS evaluates whether the remote client computer is associated with any applications deployed within the domain of the SMS;

if the remote client computer is associated with at least an application, the SMS sends a get application response to the SMS accessor, wherein the get application response identifies the associated application and the associated application installation point;

a Directory Service Accessor (DSA), wherein the DSA sends a get application request to a directory service, wherein the directory service, responsive to receiving the get application request, evaluates an installed application-to-user mapping to determine whether the remote client computer is associated with installed

applications, wherein, upon completion of the evaluation, the directory service sends an evaluation and any respective installation point of any associated installed application to the Web service; and

a Personal Computer (PC) accessor, wherein the PC accessor identifies an Intranet address of the office computer assigned to a user associated with the remote client computer and sends a get resource request to directory service, wherein the get resource request indicates a corporate identity of the user, the directory service, responsive to receiving the get application request, communicates the network address of the office computer to the PC accessor.

2. (Original) A method as recited in claim 1, wherein the sending and receiving are independent of a Virtual Private Network connection between the remote client computer and the Intranet.

3. (Canceled)

4. (Canceled)

5. (Previously presented) A method as recited in claim 1, wherein responsive to receiving the discovery response from the Web service, the remote client computer presents respective shortcuts to the user, each shortcut corresponding to an individual one of remote applications identified in the discovery response, each shortcut being selectable by the user to invoke a terminal service, the terminal service executing a corresponding remote application on an associated installation point on the Intranet.

6. (Original) A method as recited in claim 5, wherein the shortcuts represent a merged view of the remote applications, the merged view being independent of respective ones of one or more installations points on the Intranet.

7. (Currently Amended) A computer-readable medium comprising computer-executable instructions for enumerating applications by a remote client computer, the applications being deployed in an Intranet, the remote client computer being external to the Intranet, the computer-executable instructions comprising instructions for:

sending a remote application discovery request from the remote client computer to a Web service using simple object access protocol (SOAP), the Web service being deployed on a remote applications publication (RAP) Web server in

the Intranet, the remote application discovery request being sent to the Web service by the remote client computer via a public network coupling the remote client computer to the Web server; and

responsive to the sending, receiving a discovery response from the Web service, the discovery response identifying an aggregate list of remote applications across multiple accessor modules installed on the Intranet for terminal server (TS) based access by a user of the remote client computer, wherein the multiple accessor modules comprise:

a System Management Server (SMS) accessor, wherein the SMS accessor sends a get application request to a System Management Server (SMS) having a domain, wherein, upon receiving the get application request, the SMS evaluates whether the remote client computer is associated with any applications deployed within the domain of the SMS;

if the remote client computer is associated with at least an application, the SMS sends a get application response to the SMS accessor, wherein the get application response identifies the associated application and the associated application installation point;

a Directory Service Accessor (DSA), wherein the DSA sends a get application request to a directory service, wherein the directory

service, responsive to receiving the get application request, evaluates an installed application-to-user mapping to determine whether the remote client computer is associated with installed applications, wherein, upon completion of the evaluation, the directory service sends an evaluation and any respective installation point of any associated installed application to the Web service; and

a Personal Computer (PC) accessor, wherein the PC accessor identifies an Intranet address of the office computer assigned to a user associated with the remote client computer and sends a get resource request to directory service, wherein the get resource request indicates a corporate identity of the user, the directory service, responsive to receiving the get application request, communicates the network address of the office computer to the PC accessor.

8. (Original) A computer-readable medium as recited in claim 7, wherein the instructions for sending and receiving are independent of a Virtual Private Network connection between the remote client computer and the Intranet.

9. (Canceled)

10. (Canceled)

11. (Original) A computer-readable medium as recited in claim 7, wherein the computer-executable instructions further comprise, responsive to receiving the discovery response from the Web service, instructions for presenting respective shortcuts to the user, each shortcut corresponding to an individual one of remote applications identified in the discovery response, each shortcut being selectable by the user to invoke a terminal service, the terminal service executing a corresponding remote application on an associated installation point on the Intranet.

12. (Original) A computer-readable medium as recited in claim 11, wherein the shortcuts represent a merged view of the remote applications, the merged view being independent of respective ones of one or more installations points on the Intranet.

13. (Currently Amended) A remote client computer for enumerating applications deployed in an Intranet, the remote client computer being deployed external to the Intranet, the remote client computer comprising:

a processor; and

a memory coupled to the processor, the memory comprising computer-program instructions executable by the processor and comprising instructions for:

sending a remote application discovery request from the remote client computer to a Web service using simple object access protocol (SOAP), the Web service being deployed on a remote applications publication (RAP) Web server in the Intranet, the remote application discovery request being sent to the Web service by the remote client computer via a public network coupling the remote client computer to the Web server; and

responsive to the sending, receiving a discovery response from the Web service, the discovery response identifying an aggregate list of remote applications across multiple accessor modules installed on the Intranet for terminal server (TS) based access by a user of the remote client computer, wherein the multiple accessor modules comprise:

a System Management Server (SMS) accessor, wherein the SMS accessor sends a get application request to a System Management Server (SMS) having a domain, wherein, upon receiving the get application request, the SMS evaluates whether the remote client computer is associated with any applications deployed within the domain of the SMS;

if the remote client computer is associated with at least an application, the SMS sends a get application response to the SMS accessor, wherein the get application response identifies the associated application and the associated application installation point;

a Directory Service Accessor (DSA), wherein the DSA sends a get application request to a directory service, wherein the directory service, responsive to receiving the get application request, evaluates an installed application-to-user mapping to determine whether the remote client computer is associated with installed applications, wherein, upon completion of the evaluation, the directory service sends an evaluation and any respective installation point of any associated installed application to the Web service; and

a Personal Computer (PC) accessor, wherein the PC accessor identifies an Intranet address of the office computer assigned to a user associated with the remote client computer and sends a get resource request to directory service, wherein the get resource request indicates a corporate identity of the user, the directory service, responsive to receiving the get application request, communicates the network address of the office computer to the PC accessor.

14. (Original) A remote client computer as recited in claim 13, wherein the instructions for sending and receiving are independent of a Virtual Private Network connection between the remote client computer and the Intranet.

15. (Canceled)

16. (Canceled)

17. (Original) A remote client computer as recited in claim 13, wherein the computer-program instructions further comprise, responsive to receiving the discovery response from the Web service, instructions for presenting respective shortcuts to the user, each shortcut corresponding to an individual one of remote applications identified in the discovery response, each shortcut being selectable by the user to invoke a terminal service, the terminal service executing a corresponding remote application on an associated installation point on the Intranet.

18. (Original) A remote client computer as recited in claim 17, wherein the shortcuts represent a merged view of the remote applications, the merged

view being independent of respective ones of one or more installations points on the Intranet.

19. (Currently Amended) A remote client computer for enumerating applications deployed in an Intranet, the remote client computer being deployed external to the Intranet, the remote client computer comprising:

means for sending a remote application discovery request from the remote client computer to a Web service using simple object access protocol (SOAP), the Web service being deployed on a remote applications publication (RAP) Web server in the Intranet, the remote application discovery request being sent to the Web service by the remote client computer via a public network coupling the remote client computer to the Web server; and

means for responsive to the sending, receiving a discovery response from the Web service, the discovery response identifying an aggregate list of remote applications across multiple accessor modules installed on the Intranet for terminal server (TS) based access by a user of the remote client computer, wherein the multiple accessor modules comprise:

a System Management Server (SMS) accessor, wherein the SMS accessor sends a get application request to a System Management Server (SMS) having a domain, wherein, upon receiving the get application request, the SMS evaluates whether the

remote client computer is associated with any applications deployed within the domain of the SMS;

if the remote client computer is associated with at least an application, the SMS sends a get application response to the SMS accessor, wherein the get application response identifies the associated application and the associated application installation point;

a Directory Service Accessor (DSA), wherein the DSA sends a get application request to a directory service, wherein the directory service, responsive to receiving the get application request, evaluates an installed application-to-user mapping to determine whether the remote client computer is associated with installed applications, wherein, upon completion of the evaluation, the directory service sends an evaluation and any respective installation point of any associated installed application to the Web service; and

a Personal Computer (PC) accessor, wherein the PC accessor identifies an Intranet address of the office computer assigned to a user associated with the remote client computer and sends a get resource request to directory service, wherein the get resource request indicates a corporate identity of the user, the directory service, responsive to receiving the get application request,

communicates the network address of the office computer to the PC accessor.

20. (Original) A remote client computer as recited in claim 19, wherein the means for sending and receiving are independent of a Virtual Private Network connection between the remote client computer and the Intranet.

21. (Canceled)

22. (Canceled)

23. (Original) A remote client computer as recited in claim 19, wherein the remote client computer further comprises, responsive to receiving the discovery response from the Web service, means for presenting respective shortcuts to the user, each shortcut corresponding to an individual one of remote applications identified in the discovery response, each shortcut being selectable by the user to invoke a terminal service, the terminal service executing a corresponding remote application on an associated installation point on the Intranet.

24. (Original) A remote client computer as recited in claim 23, wherein the shortcuts represent a merged view of the remote applications, the merged view being independent of respective ones of one or more installations points on the Intranet.